

# Abdelilah Bouchikhi

Développeur Full Stack dans la conception d'applications web, du front-end au back-end. Compétent en Rust, Go et Java (Spring Boot) pour le back-end, ainsi qu'en Next.js et Angular pour le front-end, avec une expérience en bases de données PostgreSQL. Maîtrise également du langage C pour le développement bas niveau. Passionné par le code propre, la cybersécurité et la résolution de problèmes.

## Projects

### 01Blog – Full-Stack Social Blogging Platform

- Developed a full-stack social blogging application supporting posts, multimedia, followers, groups, chats, and notifications.
- Implemented secure authentication, role-based access control, and admin moderation tools.
- Containerized backend and frontend services using Docker.
- Technologies: Java Spring Boot, Angular, PostgreSQL, JWT, Docker, Bootstrap

### Minishell – Unix Command Interpreter (C)

- Implemented a Unix command interpreter with advanced AST (Abstract Syntax Tree) architecture.
- Managed command execution, pipelines, redirections, and variable expansion.
- Developed process creation and inter-process communication using Unix Pipes.
- Technologies: C, Readline, AST, Unix Pipes, Fork/Exec

### Bomberman – Multiplayer Game (2–4 players)

- Developed a real-time multiplayer Bomberman-style game with player logic: movement, collisions, bomb placement, and power-ups.
- Designed smooth 60 FPS animations and integrated destructible/ indestructible blocks.
- Technologies: JavaScript, HTML, CSS, DOM, Custom Framework

## Educational Background

### Training in Programming and Computer Systems

1337 Rabat

Oct 2024 – Sept 2025

- Specialization in Systems Programming.

### Full-Stack Development Training

Zone01 Oujda

April 2024 - Present

- Specialization in Web Development (Front-End & Back-End).

### Baccalaureate

Lycee Laymoun, Berkane

April 2024 - Present

- Specialization in Electrical Science and Technology.

## Contact

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## Skills

### Programming Languages

- C
- Go
- Rust
- JavaScript
- Java
- Shell / Bash

### Web Development

- HTML5, CSS3
- NextJs
- Angular
- REST APIs

### Backend & Databases

- Go
- SpringBoot
- MySQL
- PostgreSQL
- SQLite

### Tools & Technologies

- Docker
- Git / GitHub
- Linux / Unix

### Languages

- English: Intermediate
- French: Intermediate

## Additional Information

- Teamwork & Leadership: Actively collaborated in multi-person projects; coordinated tasks, integrated features, and reviewed code in group settings.
- Project Management: Experience leading small teams during projects to meet deadlines and ensure code quality.